



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**C10-5**  
**Job Sheet 188725**



Part No: C10-5

Job Qty: 1 pcs

Part Name: Load Beam



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/15/19

Job Tracking No:

Due Date: 5/28/19

Created By: Linda Lacelle

Type: Stock

Description:

Note: DWG C10-5A/C10-5KA Rev. 3 IPP Rev. A 18.04.18 new issue DP Verify DD

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    | Sign-off                    |
|-------|-------------------------------|-------|------------|----------|-----------|---------|------------------------|-----------------------------|
|       |                               |       |            |          | Setup Hrs | Run Hrs |                        |                             |
| 100   | Waterjet - Omax - 1           | 1 pcs |            | 5/28/19  | 0.08      | 0.17    | Waterjet - Omax        |                             |
| 110   | Outsource - 5 - Machining     | 1 pcs |            | 5/28/19  |           |         | ARR002-VU              |                             |
| 120   | Packaging 2-1 - Receive - B4B | 1 pcs | DP         | 5/28/19  | 0.00      | 0.00    | Packaging 2 - 1 - B4B  | DP / 25/2019<br>APR 25 2019 |
| 130   | QC 6                          | 1 pcs |            | 5/28/19  | 0.00      | 0.00    | QC 6 - 61              | 61                          |
| 150   | Outsource - 1 - Heat Treat    | 1 pcs |            | 5/28/19  |           |         | ATL002-VCMEITool 3     | DP 2019-08-21               |
| 160   | Packaging 2-2 - Receive - B4B | 1 pcs |            | 5/28/19  | 0.00      | 0.00    | Packaging 2 - 1 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 2 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 3 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 5 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 4 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 6 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 7 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 8 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 9 - B4B  |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 10 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 11 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 12 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 13 - B4B | DP JUL 0 5 2019             |
|       |                               |       |            |          |           |         | Packaging 2 - 14 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 15 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 16 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 17 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 18 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 19 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 20 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 21 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 22 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 23 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 24 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 25 - B4B |                             |
|       |                               |       |            |          |           |         | Packaging 2 - 26 - B4B |                             |



Container No: S144960



Part: C10-5

Job No: 188725

Serial No/Batch: S144960

Revision: 3

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 04/25/19

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|                                 |       |         |           |                        |      |
|---------------------------------|-------|---------|-----------|------------------------|------|
|                                 |       |         |           | Packaging 2 - 27 - B4B |      |
|                                 |       |         |           | Packaging 2 - 28 - B4B |      |
|                                 |       |         |           | Packaging 2 - 29 - B4B |      |
|                                 |       |         |           | Packaging 2 - 30 - B4B |      |
|                                 |       |         |           | Packaging 2 - 31 - B4B |      |
|                                 |       |         |           | Packaging 2 - 32 - B4B |      |
|                                 |       |         |           | Packaging 2 - 33 - B4B |      |
|                                 |       |         |           | Packaging 2 - 34 - B4B |      |
|                                 |       |         |           | Packaging 2 - 35 - B4B |      |
|                                 |       |         |           | Packaging 2 - 36 - B4B |      |
| 170 QC 6                        | 1 pcs | 5/28/19 | 0.00 0.00 | QC 6 - 38              |      |
|                                 |       |         |           | QC 6 - 42              |      |
|                                 |       |         |           | QC 6 - 9               |      |
|                                 |       |         |           | QC 6 - 68              | DAS  |
|                                 |       |         |           | QC 6 - 61              | 61   |
| 180 Packaging 3-1 - Stock - B4B | 1 pcs | 5/28/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  | 9-80 |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |      |
|                                 |       |         |           | Packaging 3 - 10 - B4B |      |
|                                 |       |         |           | Packaging 3 - 11 - B4B |      |
|                                 |       |         |           | Packaging 3 - 12 - B4B |      |
|                                 |       |         |           | Packaging 3 - 13 - B4B |      |
|                                 |       |         |           | Packaging 3 - 14 - B4B |      |
|                                 |       |         |           | Packaging 3 - 15 - B4B |      |
|                                 |       |         |           | Packaging 3 - 16 - B4B |      |
|                                 |       |         |           | Packaging 3 - 17 - B4B |      |
|                                 |       |         |           | Packaging 3 - 18 - B4B |      |
|                                 |       |         |           | Packaging 3 - 19 - B4B |      |
|                                 |       |         |           | Packaging 3 - 20 - B4B |      |
|                                 |       |         |           | Packaging 3 - 21 - B4B |      |
|                                 |       |         |           | Packaging 3 - 22 - B4B |      |
|                                 |       |         |           | Packaging 3 - 23 - B4B |      |
|                                 |       |         |           | Packaging 3 - 24 - B4B |      |
|                                 |       |         |           | Packaging 3 - 25 - B4B |      |
|                                 |       |         |           | Packaging 3 - 26 - B4B |      |
|                                 |       |         |           | Packaging 3 - 27 - B4B |      |
|                                 |       |         |           | Packaging 3 - 28 - B4B |      |
|                                 |       |         |           | Packaging 3 - 29 - B4B |      |
|                                 |       |         |           | Packaging 3 - 30 - B4B |      |
|                                 |       |         |           | Packaging 3 - 31 - B4B |      |
|                                 |       |         |           | Packaging 3 - 32 - B4B |      |
|                                 |       |         |           | Packaging 3 - 33 - B4B |      |
|                                 |       |         |           | Packaging 3 - 34 - B4B |      |
|                                 |       |         |           | Packaging 3 - 35 - B4B |      |
|                                 |       |         |           | Packaging 3 - 36 - B4B |      |
| 190 QC 21 - SA                  | 1 pcs | 5/28/19 | 0.00 0.00 | QC 21 - SA - 21        |      |
|                                 |       |         |           | QC 21 - SA - 70        |      |

Part Op 100 - 1-Cut C10-5 blank (CANAM FOLDER C10-5A) Dwg Rev: \_\_\_\_\_ Prog Rev: \_\_\_\_\_ 2-Debur if necessary  
 Descriptions: 110 - -Issue P/O to ARROW TECH MACHINE WORKS ; P/O 043149 -Manufacture C10-5 as per DWG. -  
 Certificate of Conformity is required  
 150 - (Outsource process - Heat Treat) 1-Issue P/O P/O 43823 RC 53-56 2-Bead blast 3- Certificate of  
 Conformity is required  
 160 - (Receive & Inspect for Damage & Mat'l Certs)  
 170 - (QC6- All purchased or subcontracted products)

180 - (Identify as per dwg &amp; Stock Location:\_\_\_\_\_)

190 - (QC21- Final Inspection - Work Order Release)

**Job BOM**

| Part / Item            | Component Name              | Quantity         | Operation               | Container |
|------------------------|-----------------------------|------------------|-------------------------|-----------|
| MT-4140-S-1.750X12.000 | AISI 4140 Steel Sheet/Plate | .7000 ft (.7 ea) | 100-Waterjet - Omax - 1 |           |

**Job Allocations**

| Operation               | Component Part         | Required | Inventory | Allocated |
|-------------------------|------------------------|----------|-----------|-----------|
| 100-Waterjet - Omax - 1 | MT-4140-S-1.750X12.000 | 1        | 6         | 0         |

**Part Specifications**

Specifications could not be found.

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Dart Aerospace Ltd.  
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Do Today

C10-5

Job Sheet 188725



Part No: C10-5

Job Qty: 1 pcs

Part Name: Load Beam



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/15/19

Job Tracking No:

Due Date: 1/16/19

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG C10-5A/C10-5KA Rev. 3 IPP Rev. A 18.04.18 new issue DP Verify DD

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off   |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|------------|
|       |                     |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |            |
| 100   | Waterjet - Omax - 1 | 1 pcs | 1/16/19    | 1/16/19  | 0.08      | 0.17    | Waterjet - Omax       |           | Sc 1901/15 |
| 120   | NV5000 - 1          | 1 pcs | 1/16/19    | 1/16/19  | 0.00      | 0.50    | NV5000 - 1 - B4B      |           |            |
|       |                     |       |            |          |           |         | NV5000 - 2 - B4B      |           |            |
| 130   | QC 2                | 1 pcs | 1/16/19    | 1/16/19  | 0.00      | 0.00    | QC 2 - 1              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 12             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 14             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 17             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 19             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 2              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 20             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 22             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 23             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 25             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 32             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 33             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 35             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 38             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 39             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 4              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 40             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 44             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 45             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 48             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 49             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 50             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 51             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 52             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 54             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 56             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 57             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 62             |           |            |

|                                   |       |         |           |                        |   |
|-----------------------------------|-------|---------|-----------|------------------------|---|
| 140 <del>QC 8</del><br><br>AC6    | 1 pcs | 1/16/19 | 0.00 0.00 | QC 2 - 63              |   |
|                                   |       |         |           | QC 2 - 8               |   |
|                                   |       |         |           | QC 8 - 12              |   |
|                                   |       |         |           | QC 8 - 14              |   |
|                                   |       |         |           | QC 8 - 17              |   |
|                                   |       |         |           | QC 8 - 20              |   |
|                                   |       |         |           | QC 8 - 25              |   |
|                                   |       |         |           | QC 8 - 3               |   |
|                                   |       |         |           | QC 8 - 32              |   |
|                                   |       |         |           | QC 8 - 33              |   |
|                                   |       |         |           | QC 8 - 35              |   |
|                                   |       |         |           | QC 8 - 38              |   |
|                                   |       |         |           | QC 8 - 39              |   |
|                                   |       |         |           | QC 8 - 4               |   |
|                                   |       |         |           | QC 8 - 44              |   |
|                                   |       |         |           | QC 8 - 45              |   |
|                                   |       |         |           | QC 8 - 49              |   |
|                                   |       |         |           | QC 8 - 58              |   |
|                                   |       |         |           | QC 8 - 8               |   |
|                                   |       |         |           | QC 8 - 9               |   |
|                                   |       |         |           | QC 8 - 68              |   |
|                                   |       |         |           | QC 8 - 67              |   |
|                                   |       |         |           | QC 8 - 1 (A)           |   |
| 150 Outsource - 1 - Heat Treat    | 1 pcs | 1/16/19 |           | ATL002-VC              | 3 |
| 160 Packaging 2-1 - Receive - B4B | 1 pcs | 1/16/19 | 0.00 0.00 | Packaging 2 - 1 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 2 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 3 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 5 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 4 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 6 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 7 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 8 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 9 - B4B  |   |
|                                   |       |         |           | Packaging 2 - 10 - B4B |   |
|                                   |       |         |           | Packaging 2 - 11 - B4B |   |
|                                   |       |         |           | Packaging 2 - 12 - B4B |   |
|                                   |       |         |           | Packaging 2 - 13 - B4B |   |
|                                   |       |         |           | Packaging 2 - 14 - B4B |   |
|                                   |       |         |           | Packaging 2 - 15 - B4B |   |
|                                   |       |         |           | Packaging 2 - 16 - B4B |   |
|                                   |       |         |           | Packaging 2 - 17 - B4B |   |
|                                   |       |         |           | Packaging 2 - 18 - B4B |   |
|                                   |       |         |           | Packaging 2 - 19 - B4B |   |
|                                   |       |         |           | Packaging 2 - 20 - B4B |   |
|                                   |       |         |           | Packaging 2 - 21 - B4B |   |
|                                   |       |         |           | Packaging 2 - 22 - B4B |   |
|                                   |       |         |           | Packaging 2 - 23 - B4B |   |
|                                   |       |         |           | Packaging 2 - 24 - B4B |   |
|                                   |       |         |           | Packaging 2 - 25 - B4B |   |
|                                   |       |         |           | Packaging 2 - 26 - B4B |   |
|                                   |       |         |           | Packaging 2 - 27 - B4B |   |
|                                   |       |         |           | Packaging 2 - 28 - B4B |   |
|                                   |       |         |           | Packaging 2 - 29 - B4B |   |
|                                   |       |         |           | Packaging 2 - 30 - B4B |   |
|                                   |       |         |           | Packaging 2 - 31 - B4B |   |
|                                   |       |         |           | Packaging 2 - 32 - B4B |   |
|                                   |       |         |           | Packaging 2 - 33 - B4B |   |
|                                   |       |         |           | Packaging 2 - 34 - B4B |   |
|                                   |       |         |           | Packaging 2 - 35 - B4B |   |



|                                 |       |         |           |                        |  |
|---------------------------------|-------|---------|-----------|------------------------|--|
| 170 QC 6                        | 1 pcs | 1/16/19 | 0.00 0.00 | Packaging 2 - 36 - B4B |  |
|                                 |       |         |           | QC 6 - 38              |  |
|                                 |       |         |           | QC 6 - 42              |  |
|                                 |       |         |           | QC 6 - 9               |  |
|                                 |       |         |           | QC 6 - 68              |  |
|                                 |       |         |           | QC 6 - 61              |  |
| 180 Packaging 3-1 - Stock - B4B | 1 pcs | 1/16/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 10 - B4B |  |
|                                 |       |         |           | Packaging 3 - 11 - B4B |  |
|                                 |       |         |           | Packaging 3 - 12 - B4B |  |
|                                 |       |         |           | Packaging 3 - 13 - B4B |  |
|                                 |       |         |           | Packaging 3 - 14 - B4B |  |
|                                 |       |         |           | Packaging 3 - 15 - B4B |  |
|                                 |       |         |           | Packaging 3 - 16 - B4B |  |
|                                 |       |         |           | Packaging 3 - 17 - B4B |  |
|                                 |       |         |           | Packaging 3 - 18 - B4B |  |
|                                 |       |         |           | Packaging 3 - 19 - B4B |  |
|                                 |       |         |           | Packaging 3 - 20 - B4B |  |
|                                 |       |         |           | Packaging 3 - 21 - B4B |  |
|                                 |       |         |           | Packaging 3 - 22 - B4B |  |
|                                 |       |         |           | Packaging 3 - 23 - B4B |  |
|                                 |       |         |           | Packaging 3 - 24 - B4B |  |
|                                 |       |         |           | Packaging 3 - 25 - B4B |  |
|                                 |       |         |           | Packaging 3 - 26 - B4B |  |
|                                 |       |         |           | Packaging 3 - 27 - B4B |  |
|                                 |       |         |           | Packaging 3 - 28 - B4B |  |
|                                 |       |         |           | Packaging 3 - 29 - B4B |  |
|                                 |       |         |           | Packaging 3 - 30 - B4B |  |
|                                 |       |         |           | Packaging 3 - 31 - B4B |  |
|                                 |       |         |           | Packaging 3 - 32 - B4B |  |
|                                 |       |         |           | Packaging 3 - 33 - B4B |  |
|                                 |       |         |           | Packaging 3 - 34 - B4B |  |
|                                 |       |         |           | Packaging 3 - 35 - B4B |  |
|                                 |       |         |           | Packaging 3 - 36 - B4B |  |
| 190 QC 21 - SA                  | 1 pcs | 1/16/19 | 0.00 0.00 | QC 21 - SA - 21        |  |
|                                 |       |         |           | QC 21 - SA - 70        |  |

Part Op 100 - 1-Cut C10-5 blank (CANAM FOLDER C10-5A) Dwg Rev: 3 Prog Rev: 3 2-Deburr if necessary

Descriptions: 120 - NV5000-1 (MORI SEIKI VERTICAL MACHINE #1) 1-Machine as per folio FC287 FOLIO REV: DWG

REV: 2-Deburr \*\*\*MACHINE ENGRAVE AS PER DWG\*\*\*

130 - (QC2- Inspect parts off machine FAI/FAIB)

140 - (QC8- Inspect parts - second check)

150 - (Outsource process - Heat Treat) 1--Issue P/O to Atlantic; P/O RC 53-56 2-Bead blast 3- Certificate of Conformity is required

160 - (Receive & Inspect for Damage & Mat'l Certs)

170 - (QC6- All purchased or subcontracted products)

180 - (Identify as per dwg & Stock Location: )

190 - (QC21- Final Inspection - Work Order Release)

#### Job BOM

| Part / Item            | Component Name              | Quantity         | Operation               | Container |
|------------------------|-----------------------------|------------------|-------------------------|-----------|
| MT-4140-S-1.750X12.000 | AISI 4140 Steel Sheet/Plate | .7000 ft (.7 ea) | 100-Waterjet - Omax - 1 | 5093454   |

**Job Allocations**

| Operation               | Component Part         | Required | Inventory | Allocated |
|-------------------------|------------------------|----------|-----------|-----------|
| 100-Waterjet - Omax - 1 | MT-4140-S-1.750X12.000 | 1        | 8         | 0         |

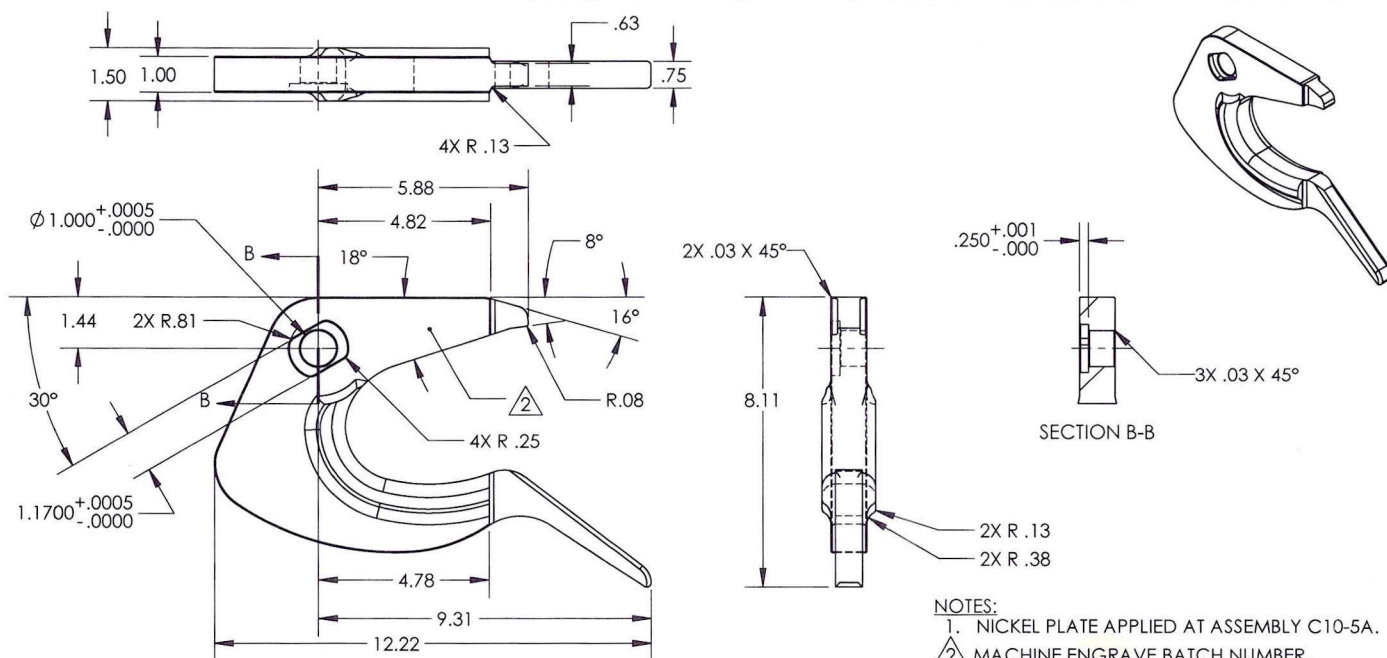
**Part Specifications**

Specifications could not be found.

Plex 1/15/19 7:22 AM dart.lacelle.linda

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| REVISIONS |         |                                          |           |         |
|-----------|---------|------------------------------------------|-----------|---------|
| REV       | ECR     | DESCRIPTION                              | DATE      | INITIAL |
| D         |         | AS DRAWN BY APICAL.                      | 5/6/2013  | CFS     |
| 2         | 14-0114 | C10-5 ADDED MACHINE ENGRAVE NOTE.        | 8/8/2014  | DPD     |
| 3         | 15-0176 | C10-5 ADDED DIM 4X R.13. ADDED DXF NOTE. | 7/17/2015 | DPD     |



- NOTES:
1. NICKEL PLATE APPLIED AT ASSEMBLY C10-5A.
  2. MACHINE ENGRAVE BATCH NUMBER.
  3. USE DXF PROFILE FOR PART CONTOURS.

(C10-5)  
LOAD BEAM

|                                                        |                             |
|--------------------------------------------------------|-----------------------------|
| <b>DART</b><br>AEROSPACE                               |                             |
| TITLE<br>LOAD BEAM ASSEMBLIES                          |                             |
| DWG NO.<br>C10-5A/C10-5KA                              | REV<br>3                    |
| MAT'L 4140/4142                                        | DRAWN BY: APICAL            |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES | APPROVED: <i>D. Weir</i>    |
| .XX ± .005 FRACTIONS ± 1/8                             | TREAT 53-56 HRC             |
| .XX ± .01 ANGLES ± 5°                                  | FINISH SEE SHEET 2 NOTE 1   |
| .X ± .1                                                | SPEC                        |
| 1. BREAK ALL SHARP EDGES .015 X 45°<br>OR .015R        | USED ON MODEL               |
| 2. DIMENSIONAL LIMITS APPLY AFTER<br>PLATING           |                             |
| SCALE 1:4                                              | DATE 5/12/2006 SHEET 4 OF 6 |

188725





Container No: S144960



Part: C10-5

Job No: 188725

Serial No/Batch: S144960

Revision: 3

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 01/15/19



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO043149



**Supplier:** ARR002-VU  
Arrow Tech Machine Works  
29751 E. Enid Road,  
Unit C  
Eugene, OR 97402 USA  
Phone: 541-780-6938  
Fax: 458-215-4938

**Attention:** , Ana  
(541) 780-6938

**Ship To:**

**PO No:** PO043149

**PO Date:** 4/9/19

**Due Date:** 5/28/19

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

*Revision*

### Items

| Line Item         | Job    | Part  | Description                                                                                                                                    | Status | Account | Due Date    | Order Quantity | Received Quantity | Balance  | Unit Price (USD) | Extended Price    |
|-------------------|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-------------|----------------|-------------------|----------|------------------|-------------------|
| 1                 | 188725 | C10-5 | Load Beam<br>-Issue P/O to ARROW TECH MACHINE WORKS ;<br>P/O _____<br>-Manufacture C10-5 as per DWG.<br>-Certificate of Conformity is required | Firmed | -       | 5/28/19     | 1 pcs          | 0 pcs             | 1 pcs    | \$430.09/pcs     | \$430.09          |
|                   |        |       |                                                                                                                                                | XI     |         | APR 25 2019 |                |                   | DP       | DAS 61 9-89      |                   |
|                   | 188822 | XZ    | 6102 5 2 84V                                                                                                                                   | Firmed | -DP     | 5/28/19     | 2 pcs          | 0 pcs             | 2 pcs    | \$430.09/pcs     | \$860.18          |
| <b>Sub Total:</b> |        |       |                                                                                                                                                |        |         |             | <b>3</b>       | <b>0</b>          | <b>3</b> |                  | <b>\$1,290.27</b> |

**Grand Total: \$1,290.27**

### Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

*hbl*

Plex 4/25/19 3:46 PM dart.Lussier.Patrick



**PHGE Machineworks dba  
Arrowtech Machineworks**

29751 E Enid Rd. Unit C

Eugene, Oregon 97402

Phone: (541) 780-6938

Fax: (458) 215-4938

# Packing Slip

NO. 524

Date: 4/18/2019

PO Ref: 043149

Ship via: FREIGHT

**Bill To:**

Dart Aerospace

1270 Aberdeen St. Hawkesbury, ON

CANADA K6A 1K7

**Ship To:**

Dart Aerospace

1271 Aberdeen St. Hawkesbury, ON

CANADA K6A 1K8

**Qty**

2

1

**Item**

LOAD BEAM (S145237)

LOAD BEAM (S144960)

**Part No.**

C10-5

C10-5

DAS  
61  
9-89

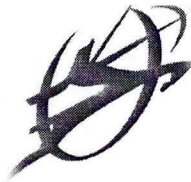
Received by:

Packaged by: J.M.L

Checked by: ANP

Thank You





**ARROW TECH MACHINE WORKS**

## **Certificate of Conformance**

Your Purchase Order No: 043149

Dated: 4/18/2019

Our Order / Job No: 04314-2AWT

Order Qty: 1

Part Name: LOAD BEAM

Part Number: C10-5 REV-3

Lot Size: 1 WITH BATCH # S144960 Ship Date: 4/18/2019

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: C10-5

Rev: 3

DAS  
61  
9-89

Material Size and Type: SAE 4140/4142

Material Specifications: STEEL: MATERIAL PROVIDED BY DART AEROSPACE

Heat Treatment: N/A

Plating/Finish: N/A

**Mercury Contamination:** The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date:

4/18/19

Signed:

Hematia Ladd

---

**PHGE Machine Works LLC dba Arrow Tech Machine Works**  
29751 E. Enid Rd. Unit C Eugene, Oregon 97402  
Main: (541) 780-6938 | Fax: (458) 215-4938  
[www.atechmachineworks.com](http://www.atechmachineworks.com)



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB043823



**Supplier:** MEI001-VC  
Metcor Inc.  
560 Boul. Arthur Sauve  
Saint-Eustache  
QC  
J7R 5A8 Canada  
Phone: 450 473 1884  
Fax: 450 491 5498

**Attention:** Bejenaru, Livia

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB043823  
**PO Date:** 6/21/19  
**Due Date:** 7/18/19  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Guerin, Kimberley  
Phone: 613-632-5200 Ext: 298  
kguerin@dartaero.com

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

**E-MAILED**  
2019-06-04

### Items

| Line Item           | Job    | Part     | Description                                                                                                                                                                                               | Status   | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price  |
|---------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|----------------|-------------------|---------|------------------|-----------------|
| 1                   | 193895 | C3-12-3  | Lock - C3 Hook<br>(Outsource process - Heat Treat)<br>1--Issue P/O to Metcore ;<br>P/O _____<br>RC 44-46<br>2-Bead blast<br>3- Certificate of Conformity is required<br>Material 4140                     | Firmed - |         | 7/18/19  | 20 pcs         | 0 pcs             | 20 pcs  | \$15.50/pcs      | \$310.00        |
| 2                   | 194919 | 646.3316 | Blade<br>: Various STC's<br>HEAT TREAT AS PER DWG 646.3300<br>FINISH: HEAT TREAT TO 58-62 RC<br>ROCKWELL HARDNESS<br><br>PART ARE MADE FROM AISI A2 TOOL STEEL<br><br>PLEASE NOTE: DETAIL C OF C REQUIRED | Firmed - |         | 7/18/19  | 30 pcs         | 0 pcs             | 30 pcs  | \$9.1333/pcs     | \$274.00        |
| 3                   | 188725 | C10-5    | Load Beam<br>(Outsource process - Heat Treat)<br>1--Issue P/O _____<br>RC 53-56<br>Material; 4140<br>2-Bead blast<br>3- Certificate of Conformity is required                                             | Firmed - |         | 7/18/19  | 1 pcs          | 0 pcs             | 1 pcs   | \$310.00/pcs     | \$310.00        |
| <b>Grand Total:</b> |        |          |                                                                                                                                                                                                           |          |         |          |                |                   |         |                  | <b>\$894.00</b> |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB043823



### Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
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A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 6/24/19 8:28 AM Dart.Guerin.Kimberley



# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ  
ST-EUSTACHE, QC J7R 5A8  
Tel: 450-473-1884 / Fax: 450-491-5498

## Reçu de livraison

Delivery Receipt

| BON DE TRAVAIL<br>Order | EXPÉDITEUR<br>Shipper ID | BON D'EXPÉDITION<br>Shipper |
|-------------------------|--------------------------|-----------------------------|
| 337544                  | 1                        | 138370                      |

EXPÉDITION COMPLÈTE / Shipped Complete

CLIENT /Customer 215

**DART AEROSPACE**  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053



LIVRÉ À /Shipped To

**DART AEROSPACE**  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053

| COMMANDE DU CLIENT<br>Customer PO | BON DE LIVRAISON DU CLIENT<br>Customer Shipper No. | TYPE DE MATÉRIEL<br>Material Type | DATE DE LA COMMANDE<br>Order Date | TRANSPORTEUR<br>Carrier |
|-----------------------------------|----------------------------------------------------|-----------------------------------|-----------------------------------|-------------------------|
| HB043823                          |                                                    | 4140                              | 2019/6/21                         | client                  |

| QUANTITÉ<br>Quantity | No. PIÈCE<br>Part No. | NOM DE LA PIÈCE<br>Part Name | DESCRIPTION DE LA PIÈCE<br>Part Description | POIDS<br>Weight |
|----------------------|-----------------------|------------------------------|---------------------------------------------|-----------------|
|----------------------|-----------------------|------------------------------|---------------------------------------------|-----------------|

1 C10-5 / (1) C10-5 / JOB 188725 / 11,  
08-6 19 DAS

1 BOITE DE CARTON

| TYPE DE CONTENEUR<br>Container Type | # DE CONTENEURS<br># Of Containers | COMMENTAIRES CONTENEUR<br>Container Comments |
|-------------------------------------|------------------------------------|----------------------------------------------|
| BOITE DE CARTON                     | 1                                  |                                              |

### CERTIFICAT

|                             |  |
|-----------------------------|--|
| EXPÉDIÉ PAR:<br>Shipped by: |  |
|-----------------------------|--|

QUANTITÉ EXPÉDIÉE / Quantity Shipped : 1  
POIDS EXPÉDIÉ / Weight Shipped : 11,00  
QUANTITÉ RESTANTE / Quantity Remaining : 0  
POIDS RESTANT / Weight Remaining : 0,00

**RECEIVED**  
JUL 05 2019  
DART AEROSPACE LTD.

APPROUVÉ  
*[Signature]*

### CERTIFICAT

QUANTITÉ EXPÉDIÉE / Quantity Shipped: 1

POIDS EXPÉDIÉ / Weight Shipped : 11,00

Signature:

Date:

# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

## Certificat de Conformité Détaillé

Detailed Certificate of Compliance

| BON DE TRAVAIL<br>order | CHARGEMENT<br>load |
|-------------------------|--------------------|
| 337544                  | 1                  |

CLIENT / customer 215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to:

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

1

|                                                        |                                             |                                                           |                                     |                              |
|--------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------|-------------------------------------|------------------------------|
| COMMANDE DU CLIENT<br>customer po                      | CLASSIFICATION PIECE<br>part classification | MATÉRIEL<br>material                                      | MAÎTRE D'OEUVRE<br>prime contractor | PROGRAM                      |
| HB043823                                               | N/A                                         | 4140                                                      |                                     |                              |
| SPÉCIFICATIONS DU PROCÉDÉ<br>processing specifications |                                             |                                                           |                                     |                              |
| SEL HARDEN                                             |                                             |                                                           |                                     |                              |
| HARDEN AND TEMPER                                      |                                             |                                                           |                                     |                              |
| EXIGENCE / requirement                                 | SPÉCIFICATIONS / specified                  |                                                           | TESTS EXÉCUTÉS / performed          | RÉSULTATS DE TESTS / results |
| HARDNESS                                               | 53 - 56 HRC                                 |                                                           | 1<br>(907)                          | 54 - 55 HRC                  |
| QUANTITÉ<br>quantity                                   | POIDS<br>weight                             | DESCRIPTION DES PIÈCES<br>parts description               |                                     |                              |
| 1                                                      | 11                                          | C10-5<br>(1) C10-5<br>JOB 188725<br><br>1 BOITE DE CARTON |                                     |                              |

### COMMENTAIRES / comments

SALT HARDEN 1550°F - 50 MINS  
SNAP TEMPER 400°F - 2:00 HRS  
TEMEPR 400°F - 3:00 HRS  
GLASS BEAD

Heat treatment (HT) was performed with equipment that meets the requirements of requested specification. All HT operations were performed in compliance with the required HT specification and all verifications have been performed and documented. No unauthorized changes were performed in regards to the HT. We certify that the material was manufactured, sampled, tested and inspected in accordance with the material specification and the purchase order and was found to meet the requirements.

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Le traitement thermique (TT) a été fait en utilisant des équipements en conformité avec la spécification demandée. Toutes les opérations de TT ont été faites en conformité avec les requis de la spécification demandée et toutes les vérifications et les tests demandés ont été faites et documentés. Aucun changement n'a été faite par rapport au TT. On certifie que le matériel a été fabriqué, échantillonné, testé et inspecté en accord avec les spécifications du matériel et le bon de commande et le matériel rencontre les exigences spécifiées.



# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

## Certificat de Conformité Détaillé

Detailed Certificate of Compliance

| BON DE TRAVAIL<br>order | CHARGEMENT<br>load |
|-------------------------|--------------------|
| 337544                  | 1                  |

CLIENT / customer 215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to:

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

1

Ce document et les documents qui lui sont joints peuvent contenir des informations confidentielles, être soumis aux réglementations relatives au contrôle des exportations ou ayant un caractère privé. S'ils ne vous sont pas destinés, nous vous signalons qu'il est strictement interdit de les divulguer, de les reproduire ou d'en utiliser de quelque manière que ce soit le contenu. Toute exportation ou réexportation non autorisée est interdite.

APPROUVÉ par / Approved by:

DATE: 2019-07-03

Lucie Desmarais  
QA Technician





# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

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## Certificat de Conformité Certificate of Compliance

| BON DE TRAVAIL<br>order | CHARGEMENT<br>load |
|-------------------------|--------------------|
| 337544                  | 1                  |

CLIENT / customer 215

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to:

DART AEROSPACE

1270 ABERDEEN

HAWKESBURY

ON K6A 1K7

1

| COMMANDE DU CLIENT<br>customer po | CLASSIFICATION PIECE<br>part classification | MATÉRIEL<br>material | MAÎTRE D'OEUVRE<br>prime contractor | PROGRAM |
|-----------------------------------|---------------------------------------------|----------------------|-------------------------------------|---------|
| HB043823                          | N/A                                         | 4140                 |                                     |         |

### SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

SEL HARDEN

HARDEN AND TEMPER

| EXIGENCE / requirement | SPÉCIFICATIONS / specified | TESTS EXÉCUTÉS / performed | RÉSULTATS DE TESTS / results |
|------------------------|----------------------------|----------------------------|------------------------------|
| HARDNESS               | 53 - 58 HRC                | 1<br>(907)                 | 54 - 55 HRC                  |

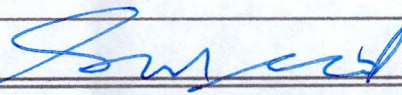
DAS  
61  
9-88

| QUANTITÉ<br>quantity | POIDS<br>weight | DESCRIPTION DES PIÈCES<br>parts description               |
|----------------------|-----------------|-----------------------------------------------------------|
| 1                    | 11              | C10-5<br>(1) C10-5<br>JOB 188725<br><br>1 BOITE DE CARTON |

5/7/19

### COMMENTAIRES / comments

APPROUVÉ par / Approved by:



METCOR  
7

DATE: 2019-06-29

APPROUVÉ  
5/7/19